

Technical Page

Proposal Type: Regular
 General Category: Planetary Radar
 Observation Category: Solar System
 Total Time Requested: 40 Hours

Proposal Title: Lunar Radar Mapping at 430 MHz

ABSTRACT:

This proposal requests radar observation time using the 430 MHz system to map a number of lunar surface features at 500 m spatial resolution. The targets proposed address: (1) the depth and rock population of the mare regolith, (2) the properties of low-return areas such as the regional pyroclastic deposits, (3) the chemical composition of mare basalt flows, (4) the structure of impact crater floors, and (5) the possibility of ice at the lunar poles.

Name	Institution	E-mail	Phone	Student
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I NA want to do remote observing.

Instrument Setup

430 CH receiver 430 CH radar

Atmospheric Optical Instruments:

Special Equipment or setup: none

RFI Considerations**Frequency Ranges Planned**